

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/081,913

Filed:

February 22, 2002

Inventors:

LARRY EDWARD BYRNES, LESLIE K. SUMNER, PETER J. TOTH, MARTIN STEPHEN KRAMER, WILLIAM OBERKAMPF, RICHARD EARL TEETS.

CHARLES D. VALERIUS II

Title:

NOZZLE ASSEMBLY FOR HVOF THERMAL SPRAY SYSTEM

### POWER OF ATTORNEY AND DESIGNATION OF CORRESPONDENCE ADDRESS

As an agent of General Motors Corporation, General Motors of Canada Limited, General Motors Japan Ltd., General Motors Strasbourg S.A., and Saturn Corporation, one or more of whom is the assignee of this patent application, I hereby appoint the following attorney employed by General Motors Corporation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

CARY W. BROOKS (Reg. No. 33361)

Address all communications to:

CARY W. BROOKS General Motors Corporation Legal Staff Mail Code 482-C23-B21 P.O. Box 300 Detroit, MI 48265-3000

Telephone: 313/665-4717

I am authorized to make the above appointment. The assignee's ownership of this patent application is established by the attached assignment documentation, the attached documentation is a true copy of the original documentation, and the original or a true copy of the attached documentation has been or is concurrently being submitted to the Patent and Trademark Office for recording

By:

Howard N. Conkey - Agent

Date: May 6, 2002

Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS CORPORATION, the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application H-204602 entitled

### NOZZLE ASSEMBLY FOR HVOF THERMAL SPRAY SYSTEM

for which I executed a declaration dated as indicated below. If the patent application has been

filed, I authorize atto said application here when known.	rney CARY W. BROOKS to insert the a in parentheses (10/081,913 fil	application number and filing date of led February 22, 2002
Inventor's signature	J&By-	Date 3/26/02
Full name:	LARRY EDWARD BYRNES	Declaration dated:
Residence:	ROCHESTER HILLS, MI	3/26/02
Inventor's signature		Date
Full name:	LESLIE K. SUMNER	Declaration dated:
Residence:	LAPEER, MI	•
Inventor's signature		Date
Full name:	PETER J. TOTH	Declaration dated:
Residence:	DAVISBURG, MI	
Inventor's signature	Marte S. Krame	Date 3-28-02
Full name:	MARTIN STEPHEN KRAMER	Declaration dated:
Residence:	CLARKSTON, MI	3-28-02

Inventor's signature		Date
Full name:	WILLIAM OBERKAMPF	Declaration dated:
Residence:		
Inventor's signature	Richard Earl Took	Date_3/25/02
Full name:	RICHARD EARL TEETS	Declaration dated:
Residence:	BLOOMFIELD HILLS, MI	3/25/02
Inventor's signature		Date
Full name:	CHARLES D. VALERIUS II	Declaration dated:
Residence:	GROSSE POINTE WOODS, MI	
On this da EDWARD BYRNES, k acknowledged that he/s	y of <u>MARCH</u> , 2002, before me per mown to me to be the person who executed the he executed the same.	rsonally appeared LARRY foregoing instrument, and
(SEAL)	Notary Public My commission expire County of Authorizati	
On this day SUMNER, known to m he/she executed the sam	e to be the person who executed the foregoing i	rsonally appeared LESLIE K.  nstrument, and acknowledged that
(SEAL)	Notary Public My commission expire County of Authorization	

On this	day of	, 2002, before me personally appeared PETER J.
TOTH, known to he/she executed to	o me to be the person w	ho executed the foregoing instrument, and acknowledged that
ne/sne executed	ine same.	•
٠		
(SEAL)		Notary Public
(SEAL)		My commission expires: County of Authorization:
·		County of Authorization:
On this 20	74 day of Mag	, 2002, before me personally appeared MARTIN
STEPHEN KRAI	MFR known to me to	be the person who executed the foregoing instrument, and
acknowledged th	at he/she executed the	same.
· ·		
		Stephen P. Komblum
		Notary Public
(SEAL)		My commission expires:
•		County of Authorization STEPHEN R. KORNBLUM
		Notary Public, Caldand County, M My Commission Expires Apr. 4, 20
On this	day of	2002 before me personally appeared WILLIAM
OBERKAMPF, k	cnown to me to be the p	, 2002, before me personally appeared WILLIAM person who executed the foregoing instrument, and acknowledged
that he/she execu	ted the same.	and a control of the
		Notary Public
(SEAL)		My commission expires:
		County of Authorization:
0-	10	
On this $\frac{\checkmark}{57}$	the day of MAC	, 2002, before me personally appeared RICHARD
EARL TEETS, kr	nown to me to be the pe	erson who executed the foregoing instrument, and acknowledged
that he/she execut	ted the same.	
		Herri A. Mario Was
		Notary Public
(SEAL)	·	My commission expires: . GLORIA A. MONAGHAN
		County of Authorization:  COUNTY OF AUTHORIZ

Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS CORPORATION, the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application H-204602 entitled

# NOZZLE ASSEMBLY FOR HVOF THERMAL SPRAY SYSTEM

filed, I authorize atto	a declaration dated as indicated below.  orney CARY W. BROOKS to insert the a in parentheses ( 10/081,913 fil	application number and filing data a
Inventor's signature		Date
Full name:	LARRY EDWARD BYRNES	Declaration dated:
Residence:	ROCHESTER HILLS, MI	
Inventor's signature	* Seshi K Lumner	Date_3-25-02
Full name:	LESLIE K. SUMNER	Declaration dated:
Residence:	LAPEER, MI	3-25-02
Inventor's signature		Date
Full name:	PETER J. TOTH	Declaration dated:
Residence:	DAVISBURG, MI	
Inventor's signature		Date
Full name:	MARTIN STEPHEN KRAMER	Declaration dated:
Residence:	CLARKSTON, MI	

Inventor's signature			Date
Full name:	WILLIAM OBERK	AMPF	Declaration dated:
Residence:			
Inventor's signature			Date
Full name:	RICHARD EARL T	EETS	Declaration dated:
Residence:	BLOOMFIELD HIL	LS, MI	
Inventor's signature			Date
Full name:	CHARLES D. VALI	ERIUS II	Declaration dated:
Residence:	GROSSE POINTE V	VOODS, MI	
On this da EDWARD BYRNES, I acknowledged that he/s	known to me to be the pe	, 2002, before me per	rsonally appeared LARRY foregoing instrument, and
(SEAL)		Notary Public My commission expire County of Authorization	
	y of <u>Narch</u> ne to be the person who e ne.	, 2002, before me per xecuted the foregoing in	rsonally appeared LESLIE K.
(SEAL)		Notary Public My commission expire County of Authorization	

Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS CORPORATION, the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application H-204602 entitled

# NOZZLE ASSEMBLY FOR HVOF THERMAL SPRAY SYSTEM

filed. I authorize atto	orney CARY W. BROOKS to insert the in parentheses (10/081,913	application number and films date of
Inventor's signature		Date
Full name:	LARRY EDWARD BYRNES	Declaration dated:
Residence:	ROCHESTER HILLS, MI	
Inventor's signature		Date
Full name:	LESLIE K. SUMNER	Declaration dated:
Residence:	LAPEER, MI	
Inventor's signature	1. Total	Date MAR 26,02
Full name:	PETER J. TOTH	Declaration dated:
Residence:	DAVISBURG, MI FRANKLIN, TN. PAT	MAR 26,02
Inventor's signature		Date
Full name:	MARTIN STEPHEN KRAMER	Declaration dated:
Residence:	CLARKSTON, MI	

Inventor's signature			Date
Full name:	WILLIAM OBERK	AMPF	Declaration dated:
Residence:			
Inventor's signature		•	Date
Full name:	-RICHARD EARL TI	EETS	Declaration dated:
Residence:	BLOOMFIELD HILL	LS, MI	
Inventor's signature		•	Dese
mivemor b bigilatare			Date
Full name:	CHARLES D. VALE	RIUS II	Declaration dated:
Residence:	GROSSE POINTE W	OODS, MI	-
		-	
On this da EDWARD BYRNES, k acknowledged that he/s	diown to me to be the pe	, 2002, before me rson who executed the	personally appeared LARRY he foregoing instrument, and
(SEAL)		Notary Public My commission exp County of Authoriz	
On this da SUMNER, known to m he/she executed the sam	y of e to be the person who ex ne.	, 2002, before me xecuted the foregoin	personally appeared LESLIE K. g instrument, and acknowledged that
(SEAL)	·	Notary Public My commission exp	

On this 26th day of March TOTH, known to me to be the person wheelshe executed the same.	, 2002, before me personally appeared PETER J. no executed the foregoing instrument, and acknowledged that
(SEAL)	Notary Public My commission expires: 7/6/2005 County of Authorization: WILLIAMSON
On this day of STEPHEN KRAMER, known to me to b acknowledged that he/she executed the sa	, 2002, before me personally appeared MARTIN e the person who executed the foregoing instrument, and ame.
,	
(SEAL)	Notary Public
	My commission expires:  County of Authorization:
On this day of OBERKAMPF, known to me to be the per that he/she executed the same.	, 2002, before me personally appeared WILLIAM erson who executed the foregoing instrument, and acknowledged
(SEAL)	Notary Public My commission expires: County of Authorization:
On this day of EARL TEETS, known to me to be the per that he/she executed the same.	, 2002, before me personally appeared RICHARD son who executed the foregoing instrument, and acknowledged
(SEAL)	Notary Public My commission expires: County of Authorization:

Pursuant to an agreement with my employer, I formally assign to GENERAL MOTORS CORPORATION, the entire right, title and interest, in all countries, in the improvements set forth in the United States patent application H-204602 entitled

### NOZZLE ASSEMBLY FOR HVOF THERMAL SPRAY SYSTEM

filed, I authorize atto said application here when known.	rney CARY W. BROOKS to insert the in parentheses (10/081,913	application number and filing date of filed February 22, 2002
Inventor's signature		Date
Full name:	LARRY EDWARD BYRNES	Declaration dated:
Residence:	ROCHESTER HILLS, MI	
Inventor's signature		Date
Full name:	LESLIE K. SUMNER	Declaration dated:
Residence:	LAPEER, MI	
Inventor's signature		Date
Full name:	PETER J. TOTH	Declaration dated:
Residence:	DAVISBURG, MI	
Inventor's signature		Date
Full name:	MARTIN STEPHEN KRAMER	Declaration dated:
Residence:	CLARKSTON, MI	

Inventor's signature			Date
Full name:	WILLIAM OBERK	AMPF	Declaration dated:
Residence:			
Inventor's signature		-	Date
Full name:	RICHARD EARL T	EETS	Declaration dated:
Residence:	BLOOMFIELD HIL	LS, MI	
Inventor's signature	Old The	How	Date 3/07/2002
Full name:	CHARLES D. VALI	ERIUS II	Declaration dated:
Residence:	GROSSE POINTE V	VOODS, MI	
On this da EDWARD BYRNES, k acknowledged that he/s	Gnown to me to be the pe	, 2002, before me person who executed the	ersonally appeared LARRY foregoing instrument, and
(SEAL)		Notary Public My commission expi County of Authorizat	
On this da SUMNER, known to m ne/she executed the sam	e to be the person who e	, 2002, before me poxecuted the foregoing	ersonally appeared LESLIE K. instrument, and acknowledged that
SEAL)		Notary Public My commission expir County of Authorizat	

On this day of	, 2002, before me personally appeared PETER J.
TOTH, known to me to be the p	person who executed the foregoing instrument, and acknowledged that
he/she executed the same.	, , , , , , , , , , , , , , , , , , , ,
(am )	Notary Public
(SEAL)	My commission expires:
	County of Authorization:
On this	****
STEPHEN KD AMED	, 2002, before me personally appeared MARTIN
acknowledged that be/she ever	o me to be the person who executed the foregoing instrument, and
acknowledged that he/she execu	tied the same.
i	
,	Notary Public
(SEAL)	My commission expires:
	County of Authorization:
	County of Addionization.
On this day of	, 2002, before me personally appeared WILLIAM
OBERKAMPF, known to me to	be the person who executed the foregoing instrument, and acknowledged
that he/she executed the same.	- and and the second and and action leaged
(07.1-)	Notary Public
(SEAL)	My commission expires:
	County of Authorization:
On this day of	
	, 2002, before me personally appeared RICHARD
that he/she executed the same.	be the person who executed the foregoing instrument, and acknowledged
that he/she executed the same.	
	Note: D. LT.
(SEAL)	Notary Public
()	My commission expires:
	County of Authorization:

	March, 2002, before me personally appeared CHARLES D. to be the person who executed the foregoing instrument, and acknowledged IVAN K ARNOLD  Notary Public, Oakland County, Mill My Commission Expires Nov. 2, 2003
(SEAL)	Notary Public My commission expires: County of Authorization: